

# Ligand-Dependent Enhancer Activation Regulated by Topoisomerase-I Activity

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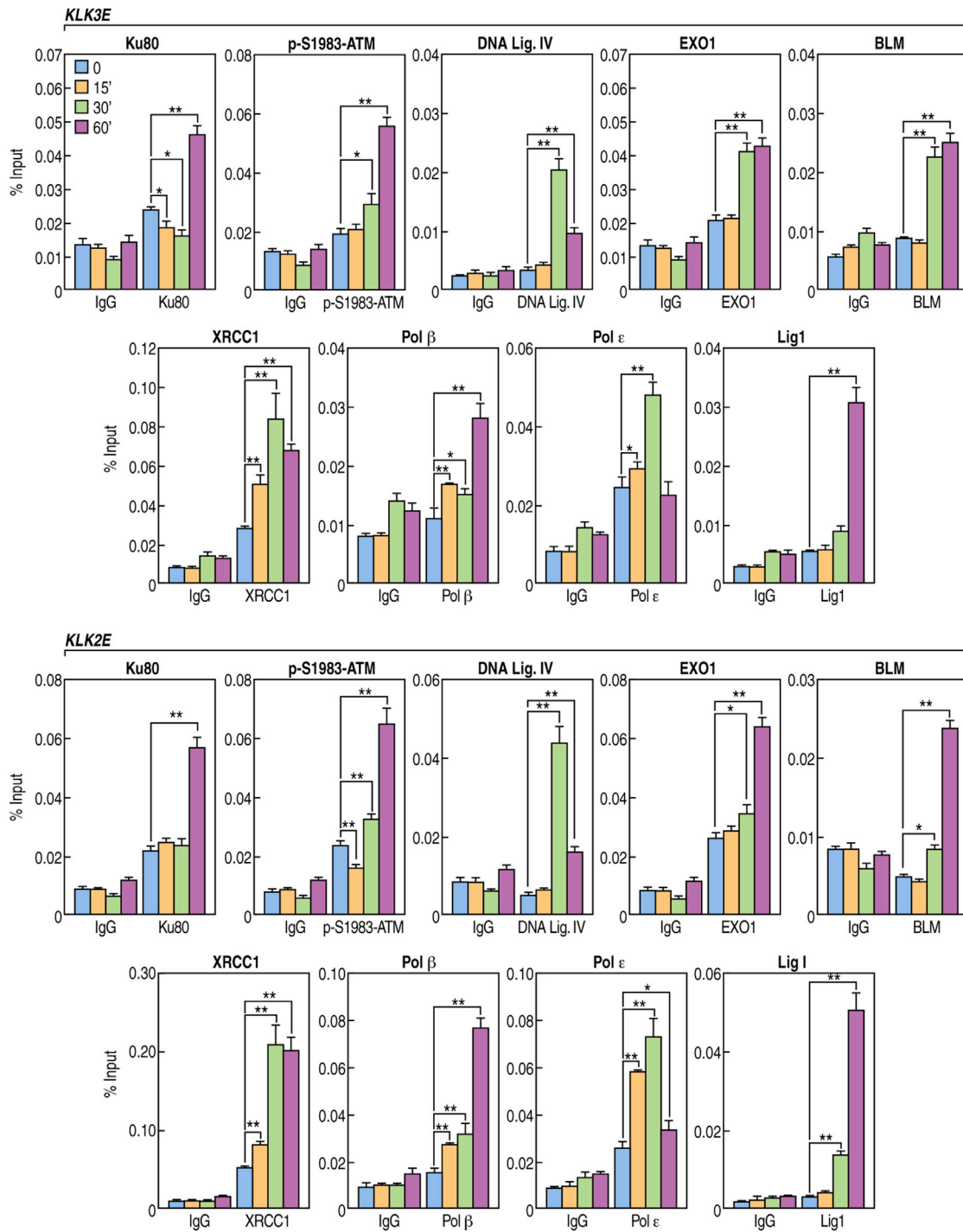
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Our paper studied the role of the DNA nickase TOP1 in enhancer activation and transcription of eRNA in androgen receptor (AR)-regulated transcriptional programs in prostate cancer cells. The central findings of the paper were that TOP1 is recruited to AR-bound active enhancers, along with elements of the DNA damage repair machinery, and that DNA nicking activity of TOP1 is required for robust eRNA synthesis and enhancer activation.

It has come to our attention that, in Figures 5 and S5A, showing the kinetics of recruitment of several members of the DNA damage repair machinery to the KLK3, KLK2, TMPRSS2, and NDRG1 enhancer regions, the presented panels showing the results of the qPCR of the Ku80 and p-S1983-ATM ChIPs were identical. We retrieved the original files used to prepare the figures in the paper and were able to verify that the values depicted in the p-S1983-ATM graphs were incorrect. We reconstructed all steps of the preparation of the published figures and concluded that the errors originated when data were compiled using GraphPad software and we mistakenly copied the Ku80 values into p-S1983-ATM plots. Using the raw data from the original experiments, we were able to plot the correct numbers and we now provide corrected versions of [Figures 5](#) and [S5](#) below. The figures have also been corrected online. The correct data support the original interpretation that pATM is maximally recruited to enhancers ~60 min after dihydrotestosterone-induced binding of androgen receptor, and the conclusions of the paper remain unchanged. We apologize for not identifying these errors before publication and for any inconvenience that they may have caused.



**Figure 5. Canonical DNA Damage/Repair Machinery Components Recruit to AR-Regulated Enhancers**

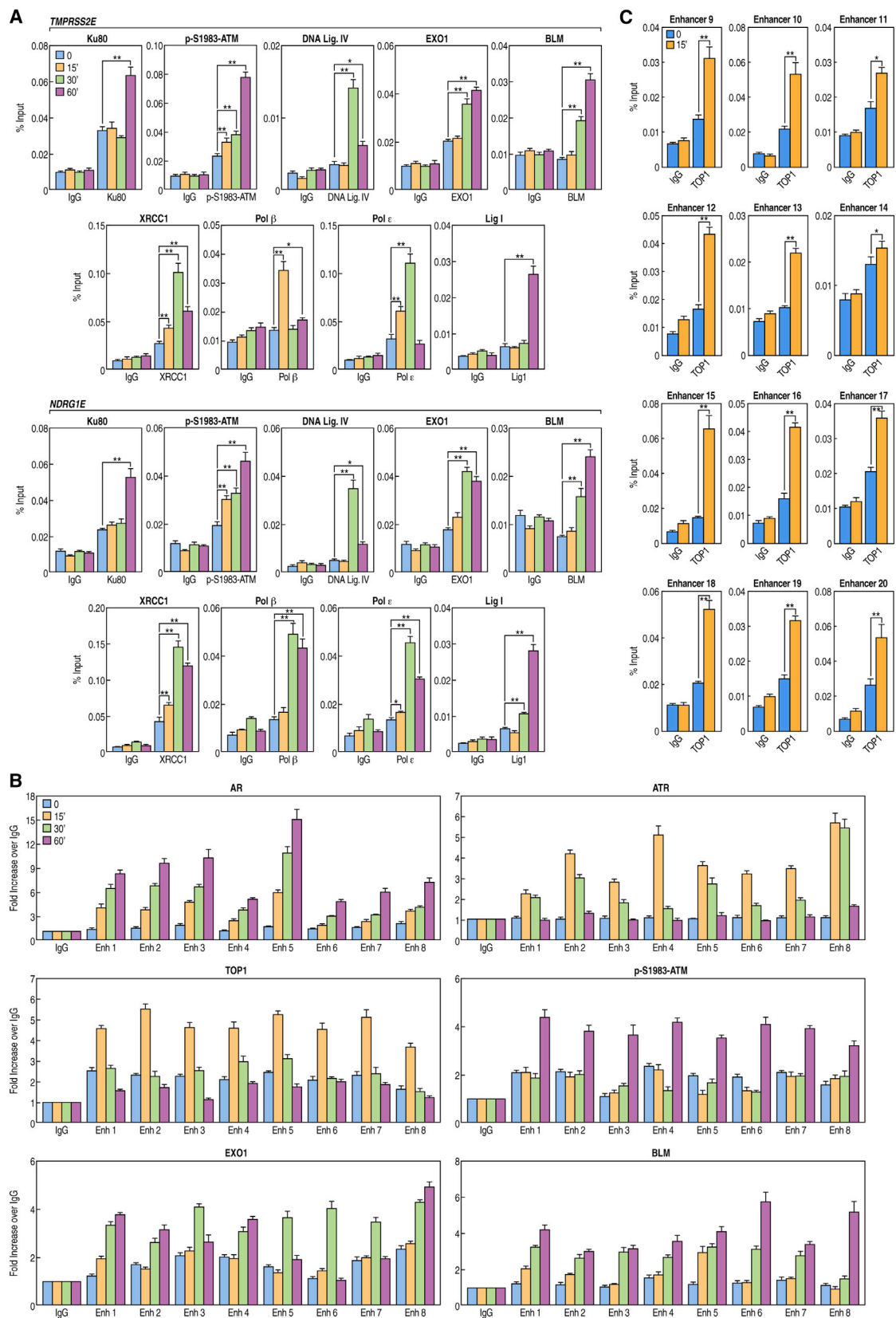


Figure S5. Kinetic ChIP Studies Performed on Additional AR Enhancers, Related to Figure 5